

## **Wildlife Management and Recreation**

**Course Description:** Wildlife Management and Recreation emphasizes the awareness of conservation and preservation management practices utilized to ensure the sustainability of our outdoor resources. Integrated academics and experiential learning will build conservation awareness among students. This will, in turn, generate career interests and more responsible land ownership in the community as we enter the 21st century.

**Recommended Prerequisites:** Agriscience or Principles of Agricultural Sciences

**Recommended Credit:** 1

**Recommended Grade Level:** 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup>

**Course Codes:\*\*** A10 – **5124** or A12 - **5174**

\*\* Use A12 Course Code number for all programs. A10 should be used for 10 month programs only.

## **Wildlife Management and Recreation**

### **Standard 1.0**

**Examine the role of Tennessee wildlife and Tennessee wildlife agencies through an introduction to wildlife management and recreation principles.**

### **Standard 2.0**

**Examine Tennessee game management principles and practices to conserve and protect wildlife.**

### **Standard 3.0**

**Analyze the importance of public education and information in wildlife management and recreation.**

### **Standard 4.0**

**Evaluate ways various hunting techniques can lead to a safe and successful hunt.**

### **Standard 5.0**

**Evaluate practices a landowner can use to improve wildlife habitat and profit.**

### **Standard 6.0**

**Analyze the effects of game laws and their enforcement on sustainable wildlife and recreation activities.**

### **Standard 7.0**

**Assess fishery management principles designed to promote and sustain an abundant and healthy supply of fish.**

### **Standard 8.0**

**Analyze the important recreational, therapeutic, ecological, and environmental values of Tennessee parks to the public.**

### **Standard 9.0**

**Demonstrate premier leadership and personal growth needed for careers in wildlife management.**

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### **Standard 1.0**

**Examine the role of Tennessee wildlife and Tennessee wildlife agencies through an introduction to wildlife management and recreation principles.**

Learning Expectations and Performance Indicators:

- 1.1 Specify and explain terms associated with wildlife management and recreation principles.
- 1.2 Evaluate the importance of wildlife management and landowner responsibilities.
- 1.3 Demonstrate an understanding of safe and responsible attitudes in the field.
- 1.4 Demonstrate that safety is the first priority when in the field or on the water.
- 1.5 Specify the steps that must be taken to improve wildlife or wildlife habitat.
- 1.6 Evaluate the role and responsibilities of the Tennessee Wildlife Resources Agency (TWRA).
- 1.7 Specify actions the landowner can take to profit from wildlife management.
- 1.8 Evaluate the types of conflicts that arise between land and water users.

### **Standard 2.0**

**Examine Tennessee game management principles and practices to conserve and protect wildlife.**

Learning Expectations and Performance Indicators:

- 2.1 Summarize terms associated with game management principles and conservation practices.
- 2.2 Summarize the importance of game management.
- 2.3 Differentiate major game and non-game wildlife.
- 2.4 Evaluate and explain methods of big and small game management.
- 2.5 Assess ways the TWRA contributes to game management.
- 2.6 Evaluate the importance and methods of habitat restoration.
- 2.7 Evaluate the role of predators in game management.
- 2.8 Analyze methods of timber management as they relate to game management.

### **Standard 3.0**

#### **Analyze the importance of public education and information in wildlife management and recreation.**

Learning Expectations and Performance Indicators:

- 3.1 Specify and explain terms associated with wildlife educational opportunities.
- 3.2 Evaluate the requirements of the Tennessee Hunter Safety Education Program.
- 3.3 Complete the Tennessee Hunter Safety Education Program and obtain required industry certification.
- 3.4 Evaluate the educational requirements of the Tennessee Boating Safety requirements.
- 3.5 Specify reasons for bow-hunting education.
- 3.6 Evaluate methods of informing the public and keeping people abreast of current events and meetings related to wildlife conservation.
- 3.7 Evaluate how policy is formed through the Tennessee Wildlife Resource Commission and how the state Sunshine Laws affect them.

### **Standard 4.0**

#### **Evaluate ways various hunting techniques can lead to a safe and successful hunt.**

Learning Expectations and Performance Indicators:

- 4.1 Specify and explain terms related to hunting techniques.
- 4.2 Describe small game hunting and trapping techniques.
- 4.3 Describe big game hunting techniques.
- 4.4 Describe waterfowl hunting techniques and explain the importance of steel shot.

### **Standard 5.0**

#### **Evaluate practices a landowner can use to improve wildlife habitat and profit.**

Learning Expectations and Performance Indicators:

- 5.1 Specify and explain terms associated with wildlife habitat management.
- 5.2 Assess enterprises related to wildlife that may be beneficial to a farmer or a landowner.
- 5.3 Summarize types of fee hunting arrangements.
- 5.4 Analyze the legalities of a fee hunting enterprise.
- 5.5 Evaluate the wildlife habitat improvement incentives a landowner may receive from local, state, and federal agencies or groups.
- 5.6 Specify types of wildlife habitats for urban settings.
- 5.7 Assess wildlife damage in urban settings.
- 5.8 Analyze data on wildlife habitats and draw conclusions for needed improvements.

### **Standard 6.0**

#### **Analyze the effects of game laws and their enforcement on sustainable wildlife and recreation activities.**

Learning Expectations and Performance Indicators:

- 6.1 Specify and explain terms associated with game laws.
- 6.2 Evaluate reasons for laws pertaining to wildlife.
- 6.3 Summarize legal and the illegal methods of hunting.
- 6.4 Evaluate the punishment for breaking game laws.
- 6.5 Specify the rights of the landowner in wildlife-related scenarios.
- 6.6 Evaluate the responsibility of the legal section of the TWRA.
- 6.7 Evaluate the specific laws of wildlife management areas (WMAs).

### **Standard 7.0**

#### **Assess fishery management principles designed to promote and sustain an abundant and healthy supply of fish.**

Learning Expectations and Performance Indicators:

- 7.1 Specify and explain terms associated with Fishery Management.
- 7.2 Specify the types of game and non-game fish in Tennessee waterways.
- 7.3 Evaluate the general creel and size limits for game fish species.
- 7.4 Evaluate the principles of aquatic habitat management.
- 7.5 Determine the harmful effects of habitat degradation on fish.
- 7.6 Specify the legal and illegal methods of harvesting fish.
- 7.7 Evaluate the methods and laws of private lake stocking and TWRA lake stocking.
- 7.8 Evaluate the effects of biotechnology for Tennessee fisheries.
- 7.9 Specify the types of aquatic animals and plants and their effects on Tennessee waterways.

### **Standard 8.0**

#### **Analyze the important recreational, therapeutic, ecological, and environmental values of Tennessee parks to the public.**

Learning Expectations and Performance Indicators:

- 8.1 Summarize terms associated with Tennessee State Parks.
- 8.2 Determine the purpose of national, state and local parks.
- 8.3 Evaluate the history, purpose and impact of the state and national parks in Tennessee.
- 8.4 Analyze funding for national, state and local parks.
- 8.5 Evaluate various recreational activities and facilities available at national, state and local parks.
- 8.6 Evaluate career opportunities in park management.

### **Standard 9.0**

#### **Demonstrate premier leadership and personal growth needed for careers in wildlife management.**

Learning Expectations and Performance Indicators:

- 9.1 Summarize the terms associated with leadership and careers in wildlife management and outdoor recreation.
- 9.2 Analyze the importance of FFA leadership and career development events to wildlife conservation and use.
- 9.3 Develop a program of activities for the FFA chapter that involves wildlife and conservation activities.
- 9.4 Demonstrate public speaking skills in a debate on the need for conservation controls.
- 9.5 Specify rewards and recognition available for FFA members in natural resources management.
- 9.6 Design educational exhibits related to wildlife management.
- 9.7 Demonstrate the way to conduct a meeting properly.
- 9.8 Correlate relationships between people and the environment, using hypothetical research and theoretical data.

